

**List of Refereed Publications**  
**Wind Spacecraft: 1996**

## References

- [1] Aptekar, R. L., D. D. Frederiks, S. V. Golenetskii, V. N. Illynskii, E. P. Mazets, V. N. Panov, Z. J. Sokolova, M. M. Terekhov, P. S. Butterworth, T. L. Cline, and D. E. Stilwell (1996), Konus-WIND experiment for cosmic gamma-ray bursts: Observational capabilities, in *High Velocity Neutron Stars, American Institute of Physics Conference Series*, vol. 366, edited by R. E. Rothschild & R. E. Lingenfelter, pp. 158–163, doi:10.1063/1.50233.
- [2] Baker, D. N. (1996), Solar wind-magnetosphere drivers of space weather., *J. Atmos. Terr. Phys.*, *58*, 1509–1526.
- [3] Bale, S. D., D. Burgess, P. J. Kellogg, K. Goetz, R. L. Howard, and S. J. Monson (1996), Phase coupling in Langmuir wave packets: Possible evidence of three-wave interactions in the upstream solar wind, *Geophys. Res. Lett.*, *23*, 109–112, doi:10.1029/95GL03595.
- [4] Barrow, C. H., S. Hoang, R. J. MacDowall, and A. Lecacheux (1996), Kilometre-wave radio observations of solar type III bursts by ULYSSES compared with decametre-wave observations from the Earth., *Astron. & Astrophys.*, *316*, 413–424.
- [5] Bochsler, P., M. Gonin, R. B. Sheldon, T. Zurbuchen, G. Gloeckler, D. C. Hamilton, M. R. Collier, and D. Hovestadt (1996), Abundance of solar wind magnesium isotopes determined with WIND/MASS, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 382, edited by D. Winterhalter, J. T. Gosling, S. R. Habbal, W. S. Kurth, & M. Neugebauer, pp. 199–202, doi:10.1063/1.51385.
- [6] Bosqued, J. M., N. Lormant, H. Rème, C. d'Uston, R. P. Lin, K. A. Anderson, C. W. Carlson, R. E. Ergun, D. Larson, J. McFadden, M. P. McCarthy, G. K. Parks, T. R. Sanderson, and K.-P. Wenzel (1996), Moon-solar wind interaction: First results from the WIND/3DP experiment, *Geophys. Res. Lett.*, *23*, 1259–1262, doi:10.1029/96GL00303.
- [7] Bougeret, J. L. (1996), The Low Frequency Interplanetary Scenario, WIND Spacecraft, in *Large Antennas in Radio Astronomy*, edited by C. G. M. van't Klooster & A. van Ardenne, pp. 113–+.
- [8] Buttighoffer, A., M. Pick, A. Raviart, S. Hoang, R. P. Lin, G. M. Simnett, L. J. Lanzerotti, and V. Bothmer (1996), Joint ULYSSES and WIND observations of a particle event in April 1995., *Astron. & Astrophys.*, *316*, 499–505.
- [9] Carlowicz, M. (1996), Solar answers may be in the WIND, *EOS Transactions*, *77*, 17–17, doi:10.1029/95EO00015.
- [10] Cline, T. L., K. C. Hurley, M. Boer, M. Niel, M. Sommer, C. Kouveliotou, G. J. Fishman, and C. A. Meegan (1996), Search for repeating classical bursts with the interplanetary network, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 384, edited by C. Kouveliotou, M. F. Briggs, & G. J. Fishman, pp. 350–352, doi:10.1063/1.51559.

**List of Refereed Publications**  
**Wind Spacecraft: 1996**

- [11] Cohen, C. M. S., A. B. Galvin, D. C. Hamilton, G. Gloeckler, J. Geiss, and P. Bochsler (1996), SWICS/Ulysses and MASS/Wind observations of solar wind sulfur charge states, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 382, edited by D. Winterhalter, J. T. Gosling, S. R. Habbal, W. S. Kurth, & M. Neugebauer, pp. 281–284, doi:10.1063/1.51398.
- [12] Cohen, C. M. S., M. R. Collier, D. C. Hamilton, G. Gloeckler, R. B. Sheldon, R. von Steiger, and B. Wilken (1996), Kinetic temperature ratios of O<sup>6+</sup> and He<sup>2+</sup>: Observations from Wind/MASS and Ulysses/SWICS, *Geophys. Res. Lett.*, *23*, 1187–1190, doi: 10.1029/96GL00587.
- [13] Collier, M. R., D. C. Hamilton, G. Gloeckler, P. Bochsler, and R. B. Sheldon (1996), Neon-20, Oxygen-16, and Helium-4 densities, temperatures, and suprathermal tails in the solar wind determined with WIND/MASS, *Geophys. Res. Lett.*, *23*, 1191–1194, doi: 10.1029/96GL00621.
- [14] Corcoran, M. F. (1996), X-rays from Colliding Winds in OB Binary System, in *American Astronomical Society Meeting Abstracts #188, Bulletin of the American Astronomical Society*, vol. 28, pp. 849–+.
- [15] Corcoran, M. F. (1996), X-Ray Emission From Colliding Wind Binaries, in *Revista Mexicana de Astronomia y Astrofisica Conference Series, Revista Mexicana de Astronomia y Astrofisica*, vol. 27, vol. 5, edited by V. Niemela, N. Morrell, P. Pismis, & S. Torres-Peimbert, pp. 54–+.
- [16] Crooker, N. U., A. J. Lazarus, R. P. Lepping, K. W. Ogilvie, J. T. Steinberg, A. Szabo, and T. G. Onsager (1996), A two-stream, four-sector, recurrence pattern: Implications from WIND for the 22-year geomagnetic activity cycle, *Geophys. Res. Lett.*, *23*, 1275–1278, doi:10.1029/96GL00031.
- [17] Desch, M. D., M. L. Kaiser, and W. M. Farrell (1996), Control of terrestrial low frequency bursts by solar wind speed, *Geophys. Res. Lett.*, *23*, 1251–1254, doi:10.1029/96GL01352.
- [18] Dulk, G. A., Y. Leblanc, J.-L. Bougeret, and S. Hoang (1996), Type III bursts observed simultaneously by Wind and Ulysses, *Geophys. Res. Lett.*, *23*, 1203–1206, doi: 10.1029/96GL01353.
- [19] Farrell, W. M., R. J. Fitzenreiter, C. J. Owen, J. B. Byrnes, R. P. Lepping, K. W. Ogilvie, and F. Neubauer (1996), Upstream ULF waves and energetic electrons associated with the lunar wake: Detection of precursor activity, *Geophys. Res. Lett.*, *23*, 1271–1274, doi: 10.1029/96GL01355.
- [20] Feldstein, Y. I., L. I. Gromova, A. E. Levitin, L. G. Blomberg, G. T. Marklund, and P.-A. Lindqvist (1996), Electromagnetic characteristics of the high-latitude ionosphere during the various phases of magnetic substorms, *J. Geophys. Res.*, *101*, 19,921–19,936, doi:10.1029/96JA00514.

**List of Refereed Publications**  
**Wind Spacecraft: 1996**

- [21] Fishman, G. J. (1996), Gamma-ray Bursts: Observational Overview, in *Compact Stars in Binaries, IAU Symposium*, vol. 165, edited by J. van Paradijs, E. P. J. van den Heuvel, & E. Kuulkers, pp. 467–+.
- [22] Fitzenreiter, R. J., A. F. Viñas, A. J. Klimas, R. P. Lepping, M. L. Kaiser, and T. G. Onsager (1996), Wind observations of the electron foreshock, *Geophys. Res. Lett.*, *23*, 1235–1238, doi:10.1029/96GL00826.
- [23] Gopalswamy, N., M. R. Kundu, M. L. Kaiser, S. W. Kahler, T. Kondo, T. Isobe, and M. Akioka (1996), Tracking Type III and Type II Solar Radio Bursts from Metric to Hectometric Wavelengths using Ground-based and Space-borne Observations, in *American Astronomical Society Meeting Abstracts #188, Bulletin of the American Astronomical Society*, vol. 28, pp. 851–+.
- [24] Green, J. L. (1996), Perspectives of the first IACG campaign: preliminary results (Invited), in *International Conference on Substorms, ESA Special Publication*, vol. 389, edited by E. J. Rolfe & B. Kaldeich, pp. 707–+.
- [25] Hoffman, R. A., and M. Hesse (1996), Global Geospace Science (GGS) program and the Polar satellite, in *International Conference on Substorms, ESA Special Publication*, vol. 389, edited by E. J. Rolfe & B. Kaldeich, pp. 721–+.
- [26] Hoffman, R. A., K. W. Ogilvie, and M. H. Acuna (1996), Fleet of satellites and ground-based instruments probes the Sun-Earth system, *EOS Transactions*, *77*, 149–149, doi: 10.1029/96EO00099.
- [27] Hurley, K. (1996), Gamma-Ray Bursts and Very High Energy Gamma-Ray Astronomy, *Space Sci. Rev.*, *75*, 43–52, doi:10.1007/BF00195023.
- [28] Kaiser, M. L., M. D. Desch, W. M. Farrell, J.-L. Steinberg, and M. J. Reiner (1996), LF band terrestrial radio bursts observed by Wind/WAVES, *Geophys. Res. Lett.*, *23*, 1283–1286, doi:10.1029/95GL03664.
- [29] Kaiser, M. L., M. D. Desch, J.-L. Bougeret, R. Manning, and C. A. Meetre (1996), Wind/WAVES observations of man-made radio transmissions, *Geophys. Res. Lett.*, *23*, 1287–1290, doi:10.1029/95GL03665.
- [30] Kellogg, P. J., S. J. Monson, K. Goetz, R. L. Howard, J.-L. Bougeret, and M. L. Kaiser (1996), Early wind observations of bow shock and foreshock waves, *Geophys. Res. Lett.*, *23*, 1243–1246, doi:10.1029/96GL01067.
- [31] Kellogg, P. J., K. Goetz, S. J. Monson, J.-L. Bougeret, R. Manning, and M. L. Kaiser (1996), Observations of plasma waves during a traversal of the moon's wake, *Geophys. Res. Lett.*, *23*, 1267–1270, doi:10.1029/96GL00376.
- [32] Kintner, P. M., J. Bonnell, R. Arnoldy, K. Lynch, C. Pollock, T. Moore, J. Holtet, C. Deehr, H. Stenbaek-Nielsen, R. Smith, J. Olson, and J. Moen (1996), The SCIFER experiment, *Geophys. Res. Lett.*, *23*, 1865–1868, doi:10.1029/96GL01260.

**List of Refereed Publications**  
**Wind Spacecraft: 1996**

- [33] Larson, D. E., R. P. Lin, J. P. McFadden, R. E. Ergun, C. W. Carlson, K. A. Anderson, T. D. Phan, M. P. McCarthy, G. K. Parks, H. Rème, J. M. Bosqued, C. d'Uston, T. R. Sanderson, K.-P. Wenzel, and R. P. Lepping (1996), Probing the Earth's bow shock with upstream electrons, *Geophys. Res. Lett.*, *23*, 2203–2206, doi:10.1029/96GL02382.
- [34] Leblanc, Y., G. A. Dulk, S. Hoang, J.-L. Bougeret, and P. A. Robinson (1996), Type III radio bursts observed by ULYSSES pole to pole, and simultaneously by wind., *Astron. & Astrophys.*, *316*, 406–412.
- [35] Lepping, R. P., A. Szabo, K. W. Ogilvie, R. J. Fitzenreiter, A. J. Lazarus, and J. T. Steinberg (1996), Magnetic cloud-bow shock interaction: WIND and IMP-8 observations, *Geophys. Res. Lett.*, *23*, 1195–1198, doi:10.1029/96GL01287.
- [36] Lin, R. P., D. Larson, J. McFadden, C. W. Carlson, R. E. Ergun, K. A. Anderson, S. Ashford, M. McCarthy, G. K. Parks, H. Rème, J. M. Bosqued, C. d'Uston, T. R. Sanderson, and K. P. Wenzel (1996), Observation of an impulsive solar electron event extending down to  $\sim 0.5$  keV energy, *Geophys. Res. Lett.*, *23*, 1211–1214, doi:10.1029/96GL00710.
- [37] Lisse, C. M., K. Dennerl, J. Englhauser, M. Harden, F. E. Marshall, M. J. Mumma, R. Petre, J. P. Pye, M. J. Ricketts, J. Schmitt, J. Trumper, and R. G. West (1996), Discovery of X-ray and Extreme Ultraviolet Emission from Comet C/Hyakutake 1996 B2, *Science*, *274*, 205–209, doi:10.1126/science.274.5285.205.
- [38] Lundstedt, H. (1996), Solar origin of geomagnetic storms and predictions., *J. Atmos. Solar-Terr. Phys.*, *58*, 821–830.
- [39] Lundstedt, H. (1996), Solar origin of geomagnetic storms and prediction of storms with the use of neural networks, *Surveys in Geophys.*, *17*, 561–573, doi:10.1007/BF01888978.
- [40] Lundstedt, H., P. Wintoft, J.-G. Wu, H. Gleisner, and V. Dovheden (1996), Space Environment Modelling with the Use of Artificial Intelligence Methods, in *Environment Modeling for Space-Based Applications, ESA Special Publication*, vol. 392, edited by T.-D. Guyenne & A. Hilgers, pp. 269–+.
- [41] MacDowall, R. J., R. A. Hess, N. Lin, G. Thejappa, A. Balogh, and J. L. Phillips (1996), ULYSSES spacecraft observations of radio and plasma waves: 1991–1995., *Astron. & Astrophys.*, *316*, 396–405.
- [42] Mason, G. M., J. E. Mazur, and T. T. von Rosenvinge (1996), Energetic heavy ions observed upstream of the Earth's bow shock by the STEP/EPACT instrument on WIND, *Geophys. Res. Lett.*, *23*, 1231–1234, doi:10.1029/96GL01035.
- [43] Mazets, E. P., R. L. Aptekar, D. D. Frederiks, S. V. Golenetskii, V. N. Ilynskii, M. M. Terekhov, T. L. Cline, P. S. Butterworth, and D. E. Stilwell (1996), Progress with the Konus-W gamma-ray burst spectrometer on GGS-Wind, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 384, edited by C. Kouveliotou, M. F. Briggs, & G. J. Fishman, pp. 492–496, doi:10.1063/1.51710.

**List of Refereed Publications**  
**Wind Spacecraft: 1996**

- [44] Mazur, J. E., G. M. Mason, and T. T. von Rosenvinge (1996), Fe-rich solar energetic particle events during solar minimum, *Geophys. Res. Lett.*, *23*, 1219–1222, doi:10.1029/96GL00046.
- [45] Mitrofanov, I. G., D. S. Anfimov, A. M. Chernenko, V. S. Dolidze, V. I. Kostenko, O. E. Isupov, A. S. Pozanenko, A. K. Ton'shev, D. A. Ushakov, G. F. Auchampaugh, M. Cafferty, D. M. Drake, E. E. Fenimore, R. W. Klebesadel, J. L. Longmire, C. E. Moss, and R. C. Reedy (1996), High precision gamma-ray spectrometer PGS for Russian interplanetary mission to Mars, *Adv. Space Res.*, *17*, 51–59.
- [46] Ogilvie, K. W., and G. K. Parks (1996), First results from WIND spacecraft: An introduction, *Geophys. Res. Lett.*, *23*, 1179–1182, doi:10.1029/96GL01357.
- [47] Ogilvie, K. W., J. T. Steinberg, R. J. Fitzenreiter, C. J. Owen, A. J. Lazarus, W. M. Farrell, and R. B. Torbert (1996), Observations of the lunar plasma wake from the WIND spacecraft on December 27, 1994, *Geophys. Res. Lett.*, *23*, 1255–1258, doi:10.1029/96GL01069.
- [48] Owen, C. J., R. P. Lepping, K. W. Ogilvie, J. A. Slavin, W. M. Farrell, and J. B. Byrnes (1996), The lunar wake at  $6.8 R_L$ : WIND magnetic field observations, *Geophys. Res. Lett.*, *23*, 1263–1266, doi:10.1029/96GL01354.
- [49] Palmer, D. M., H. Seifert, B. J. Teegarden, N. Gehrels, T. L. Cline, R. Ramaty, K. Hurley, R. Pehl, N. Madden, and A. Owens (1996), High resolution GRB spectra from the Transient Gamma-Ray Spectrometer (TGRS), in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 384, edited by C. Kouveliotou, M. F. Briggs, & G. J. Fishman, pp. 218–222, doi:10.1063/1.51668.
- [50] Phan, T. D., D. E. Larson, R. P. Lin, J. P. McFadden, K. A. Anderson, C. W. Carlson, R. E. Ergun, S. M. Ashford, M. P. McCarthy, G. K. Parks, H. Rème, J. M. Bosqued, C. D. D'Uston, K. Wenzel, T. R. Sanderson, and A. Szabo (1996), The subsolar magnetosheath and magnetopause for high solar wind ram pressure: WIND observations, *Geophys. Res. Lett.*, *23*, 1279–1282, doi:10.1029/96GL00845.
- [51] Reiner, M. J., M. L. Kaiser, J. Fainberg, M. D. Desch, and R. G. Stone (1996),  $2f_p$  radio emission from the vicinity of the Earth's foreshock: WIND observations, *Geophys. Res. Lett.*, *23*, 1247–+, doi:10.1029/96GL00841.
- [52] Rodriguez, P. (1996), High Frequency Radar Detection of Coronal Mass Ejections, in *Solar Drivers of the Interplanetary and Terrestrial Disturbances, Astronomical Society of the Pacific Conference Series*, vol. 95, edited by K. S. Balasubramaniam, S. L. Keil, & R. N. Smartt, pp. 180–+.
- [53] Sandahl, I., H. Lundstedt, H. Koskinen, and K.-H. Glassmeier (1996), On the Need for Solar Wind Monitoring Close to the Magnetosphere, in *Solar Drivers of the Interplanetary and Terrestrial Disturbances, Astronomical Society of the Pacific Conference Series*, vol. 95, edited by K. S. Balasubramaniam, S. L. Keil, & R. N. Smartt, pp. 300–+.

**List of Refereed Publications**  
**Wind Spacecraft: 1996**

- [54] Sanderson, T. R., J. P. G. Henrion, K.-P. Wenzel, R. P. Lin, K. A. Anderson, S. Ashford, C. W. Carlson, D. Curtis, R. E. Ergun, D. Larson, J. McFadden, H. Reme, J. M. Bosqued, J. Coutelier, F. Cotin, N. Lormant, C. d'Uston, G. K. Parks, M. P. McCarthy, R. M. Skoug, and R. M. Winglee (1996), WIND observations of energetic ions far upstream of the Earth's bow-shock, *Geophys. Res. Lett.*, *23*, 1215–1218, doi:10.1029/96GL01359.
- [55] Seifert, H., T. L. Cline, N. Gehrels, B. Mitra, D. M. Palmer, R. Ramaty, B. J. Teegarden, K. Hurley, N. Madden, R. Pehl, and A. Owens (1996), The detector response matrices of the Transient Gamma-Ray Spectrometer (TGRS), in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 384, edited by C. Kouveliotou, M. F. Briggs, & G. J. Fishman, pp. 258–262, doi:10.1063/1.51677.
- [56] Seifert, H., B. J. Teegarden, T. L. Cline, N. Gehrels, K. H. Hurley, N. Madden, A. Owens, D. M. Palmer, R. Pehl, and R. Ramaty (1996), Gamma-ray observations with the Transient Gamma-Ray Spectrometer (TGRS)., *Astrophys. Space Sci.*, *120*, C653+.
- [57] Sharma, A. S. (1996), Nonlinear dynamics of the magnetosphere and space weather (Invited), in *International Conference on Substorms, ESA Special Publication*, vol. 389, edited by E. J. Rolfe & B. Kaldeich, pp. 645–+.
- [58] Skoug, R. M., R. M. Winglee, M. P. McCarthy, G. K. Parks, R. P. Lin, K. A. Anderson, C. Carlson, R. Ergun, D. Larson, J. McFadden, H. Rème, J. Bosqued, C. d'Uston, T. R. Sanderson, K.-P. Wenzel, R. P. Lepping, and A. Szabo (1996), Upstream and magnetosheath energetic ions with energies to  $\approx 2$  MeV, *Geophys. Res. Lett.*, *23*, 1223–1226, doi:10.1029/96GL00301.
- [59] Slavin, J. A., A. Szabo, M. Peredo, R. P. Lepping, R. J. Fitzenreiter, K. W. Ogilvie, C. J. Owen, and J. T. Steinberg (1996), Near-simultaneous bow shock crossings by WIND and IMP 8 on December 1, 1994, *Geophys. Res. Lett.*, *23*, 1207–1210, doi:10.1029/96GL01351.
- [60] Smart, D. F., and M. A. Shea (1996), Predicting the Geomagnetic  $a_p$  Index Using Real-Time Solar Wind and IMF Data, in *Solar Drivers of the Interplanetary and Terrestrial Disturbances, Astronomical Society of the Pacific Conference Series*, vol. 95, edited by K. S. Balasubramaniam, S. L. Keil, & R. N. Smartt, pp. 393–+.
- [61] Steinberg, J. T., A. J. Lazarus, K. W. Ogilvie, R. Lepping, and J. Byrnes (1996), Differential flow between solar wind protons and alpha particles: First WIND observations, *Geophys. Res. Lett.*, *23*, 1183–1186, doi:10.1029/96GL00628.
- [62] Steinberg, J. T., A. J. Lazarus, K. W. Ogilvie, R. Lepping, J. Byrnes, D. J. Chornay, J. Keller, R. B. Torbert, D. Bodet, and G. J. Needell (1996), WIND measurements of proton and alpha particle flow and number density, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 382, edited by D. Winterhalter, J. T. Gosling, S. R. Habbal, W. S. Kurth, & M. Neugebauer, pp. 203–203, doi:10.1063/1.51477.

**List of Refereed Publications**  
**Wind Spacecraft: 1996**

- [63] Taylor, M. F., J. P. Basart, M. McCoy, and E. Rios (1996), Analysis of the Low-Frequency Radio Noise Environment at Satellite Heights from Terrestrial Sources, in *American Astronomical Society Meeting Abstracts #188, Bulletin of the American Astronomical Society*, vol. 28, pp. 911–+.
- [64] Teegarden, B. J., T. L. Cline, N. Gehrels, D. Palmer, R. Ramaty, H. Seifert, K. H. Hurley, D. A. Landis, N. W. Madden, D. Malone, R. Pehl, and A. Owens (1996), TGRS Observation of the Galactic Center Annihilation Line, *Astrophys. J.*, 463, L75+, doi: 10.1086/310061.
- [65] Teegarden, B. J., T. L. Cline, N. Gehrels, K. H. Hurley, A. Owens, D. Palmer, R. Ramaty, and H. Seifert (1996), TGRS occultation analysis of the Galactic center region., *Astrophys. Space Sci.*, 120, C283+.
- [66] Teegarden, B. J., T. L. Cline, N. Gehrels, D. Palmer, R. Ramaty, H. Seifert, K. Hurley, and A. Owens (1996), TGRS Observation of 511 keV Annihilation Radiation from the Galactic Center Region, in *American Astronomical Society Meeting Abstracts #187, Bulletin of the American Astronomical Society*, vol. 28, pp. 124.11–+.
- [67] Whang, Y. C., J. Zhou, R. P. Lepping, and K. W. Ogilvie (1996), Interplanetary slow shock observed from Wind, *Geophys. Res. Lett.*, 23, 1239–1242, doi:10.1029/96GL01358.
- [68] Winglee, R. M., R. M. Skoug, M. P. McCarthy, G. K. Parks, R. P. Lin, K. A. Anderson, C. Carlson, R. Ergun, D. Larson, J. McFadden, R. L. Lepping, A. Szabo, H. Reme, J. Bosqued, C. d'Uston, T. Sanderson, and K.-P. Wenzel (1996), Modeling of upstream energetic particle events observed by WIND, *Geophys. Res. Lett.*, 23, 1227–1230, doi: 10.1029/96GL00373.
- [69] Wu, J.-G., and H. Lundstedt (1996), A Study of the Solar Wind-Magnetosphere Coupling Using Neural Networks, in *Environment Modeling for Space-Based Applications, ESA Special Publication*, vol. 392, edited by T.-D. Guyenne & A. Hilgers, pp. 277–+.